Author index

Albertsson, P.-Å., Yu, S.-G. and Larsson, U.K.
Heterogeneity in Photosystem II_α. Evidence from fluorescence and gel electrophoresis experiments (1016) 137
Altendorf, K., see Hensel, M. (1016) 63
Alves, C., see Hütter, J.F. (1016) 244
Andralojc, P.J. and Harris, D.A.
Promotion and inhibition of catalytic cooperativity of the Ca^{2+}-dependent ATPase activity of spinach chloroplast coupling factor 1 (CF1) (1016) 55
Andréasson, L.-E., see Hoganson, C.W. (1016) 203
Andrianambinintsoa, S., see Nabedryk, E. (1016) 49
Azzi, A., see Nałęcz, K.A. (1016) 272

Barber, J., see Booth, P.J. (1016) 141
Barber, J., see Searle, G.F.W. (1016) 235
Bartsch, R.G., see Meyer, T.E. (1016) 364
Berger, G., see Nabedryk, E. (1016) 49
Bindoli, A., Deeble, D.J., Rigobello, M.P. and Galzigna, L.
Direct and respiratory chain-mediated redox cycling of adrenochrome (1016) 349
Birge, R.R.
Nature of the primary photochemical events in rhodopsin and bacteriorhodopsin (1016) 293
Bizouarn, T., Haraux, F. and De Kouchkovsky, Y.
The effect of energy-transfer inhibitors on the photophosphorylation parameters in lettuce thylakoids and the question of the K_m (ADP) variation with membrane energization (1016) 43
Booth, P.J., Crystall, B., Giorgi, L.B., Barber, J., Klug, D.R. and Porter, G.
Thermodynamic properties of D1/D2/cytochrome *b*-559 reaction centres investigated by time-resolved fluorescence measurements (1016) 141
Bowden, S.J., see Lockett, C.J. (1016) 213
Breton, J., see Nabedryk, E. (1016) 49
Bulté, L. and Wollman, F.-A.
Stabilization of states I and II by *p*-benzoquinone treatment of intact cells of *Chlamydomonas reinhardtii* (1016) 253

Capeillère-Blandin, C., see Janot, J.-M. (1016) 165
Cogdell, R.J., see Evans, M.B. (1016) 71
Crystall, B., see Booth, P.J. (1016) 141
Cummings, Jr., J.J., see Thayer, W.S. (1016) 333
Curtiss, A., see Gross, E.L. (1016) 107
Cusanovich, M.A., see Meyer, T.E. (1016) 364

Davidson, V.L. and Kumar, M.A.
Inhibition by trimethylamine of methylamine oxidation by *Paracoccus denitrificans* and bacterium W3A1 (1016) 339
Deckers-Hebestreit, G., see Hensel, M. (1016) 63
Deeble, D.J., see Bindoli, A. (1016) 349
De Kouchkovsky, Y., see Bizouarn, T. (1016) 43
Demetriou, C., see Lockett, C.J. (1016) 213
Durell, S.R., see Gross, E.L. (1016) 107
Duval, J.-C., see Wilhelm, C. (1016) 197

Evans, M.B., Hawthornthwaite, A.M. and Cogdell, R.J.
Isolation and characterisation of the different B800-850 light-harvesting complexes from low- and high-light grown cells of *Rhodopseudomonas palustris*, strain 2.1.6 (1016) 71

Farineau, J.
Photochemical alterations of Photosystem II induced by two different photoinhibitory treatments in isolated chloroplasts of pea. A thermoluminescence study (1016) 357
Feher, G., see McPherson, P.H. (1016) 289
Fitch, J.C., see Meyer, T.E. (1016) 364
Fork, D.C., see Malkin, S. (1016) 177
Fromme, P. and Gräber, P.
Activation/inactivation and uni-site catalysis by the reconstituted ATP-synthase from chloroplasts (1016) 29
Fujita, T., see Miyoshi, H. (1016) 99

Galzigna, L., see Bindoli, A. (1016) 349
Garlaschi, F.M., see Jennings, R.C. (1016) 259
Giorgi, L.B., see Booth, P.J. (1016) 141
Gnaiger, E. and Kemp, R.B.
Anaerobic metabolism in aerobic mammalian cells: information from the ratio of calorimetric heat flux and respirometric oxygen flux (1016) 328
Gräber, P., see Fromme, P. (1016) 29
Gross, E.L., Curtiss, A., Durell, S.R. and White, D.
Chemical modification of spinach plastocyanin using 4-chloro-3,5-dinitrobenzoic acid: characterization of four singly-modified forms (1016) 107
Gülzow, M., see Rehm, A.M. (1016) 127

Hansson, Ö., see Satoh, K. (1016) 121
Haraux, F., see Bizouarn, T. (1016) 43
Harris, D.A., see Andralojc, P.J. (1016) 55
Hawthornthwaite, A.M., see Evans, M.B. (1016) 71
Heber, U., see Wagner, U. (1016) 115
Hensel, M., Deckers-Hebestreit, G., Schmid, R. and Altendorf, K.
Orientation of subunit *c* of the ATP synthase of *Escherichia coli* – a study with peptide-specific antibodies (1016) 63
Herbert, S.K., see Malkin, S. (1016) 177
Hoganson, C.W., Lagenfelt, G. and Andréasson, L.-E.
EPR and redox potentiometric studies of cytochrome *c*-549 of *Anacystis nidulans* (1016) 203
Horton, P., see Noctor, G. (1016) 228
Horton, P., see Rees, D. (1016) 219
Hütter, J.F., Alves, C. and Soboll, S.
Effects of hypoxia and fatty acids on the distribution of metabolites in rat heart (1016) 244

Ishimaru, T., see Mimuro, M. (1016) 280

Janot, J.-M., Capeillère-Blandin, C. and Labeyrie, F.
L-Lactate cytochrome *c* reductase: rapid kinetic studies of electron transfers within the flavocytochrome b_2-cytochrome *c* assembly (1016) 165
Jennings, R.C., Zucchelli, G. and Garlaschi, F.M.
Excitation energy transfer from the chlorophyll spectral forms to Photosystem II reaction centres: a fluorescence induction study (1016) 259

Kaminskaya, O., Konstantinov, A.A. and Shuvalov, V.A.
Low-temperature photooxidation of cytochrome *c* in reaction centre complexes from *Rhodopseudomonas viridis* (1016) 153
Kemp, R.B., see Gnaiger, E. (1016) 328

Klug, D.R., see Booth, P.J. (1016) 141
Kolbowski, J., see Wagner, U. (1016) 115
Konstantinov, A.A., see Kaminskaya, O. (1016) 153
Kostyrko, V.A., see Smirnova, I.A. (1016) 385
Kumar, M.A., see Davidson, V.L. (1016) 339

Labeyrie, F., see Janot, J.-M. (1016) 165
Lagenfelt, G., see Hoganson, C.W. (1016) 203
Laisk, A., see Wagner, U. (1016) 115
Larsson, U.K., see Albertsson, P.-Å. (1016) 137
Leonhard, M., see Nabedryk, E. (1016) 49
Lockett, C.J., Demetriou, C., Bowden, S.J. and Nugent, J.H.A.
Studies on calcium depletion of PS II by pH 8.3 treatment (1016) 213

Malkin, S., Herbert, S.K. and Fork, D.C.
Light distribution, transfer and utilization in the marine red alga *Porphyra perforata* from photoacoustic energy-storage measurements (1016) 177
Manning, R.O., see Schnellmann, R.G. (1016) 344
Mäntele, W., see Nabedryk, E. (1016) 49
Marbach, M., see Rottenberg, H. (1016) 77
Marbach, M., see Rottenberg, H. (1016) 87
Marquardt, J., see Rehm, A.M. (1016) 127
Mathis, P., see Satoh, K. (1016) 121
Mazaki, H. and Watanabe, T.
Self-catalyzed epimerization of chlorophyll *a*/*a'* in organic solvents (1016) 190
McPherson, P.H., Okamura, M.Y. and Feher, G.
Electron transfer from the reaction center of *Rb. Sphaeroides* to the quinone pool: doubly reduced Q_B leaves the reaction center (1016) 289
Mesyanzhinova, I.V., see Muntyan, M.S. (1016) 371
Meyer, T.E., Fitch, J.C., Bartsch, R.G., Tollin, G. and Cusanovich, M.A.
Soluble cytochromes and a photoactive yellow protein isolated from the moderately halophilic purple phototrophic bacterium, *Rhodospirillum salexigens* (1016) 364
Milgrom, Y.M., see Muntyan, M.S. (1016) 371
Mimuro, M., Tamai, N., Ishimaru, T. and Yamazaki, I.
Characteristic fluorescence components in photosynthetic pigment system of a marine dinoflagellate, *Protogonyaulax tamarensis*, and excitation energy flow among them. Studies by means of steady-state and time-resolved fluorescence spectroscopy (1016) 280
Mimuro, M., see Shimada, K. (1016) 266
Miyoshi, H., Tsujishita, H., Tokutake, N. and Fujita, T.
Quantitative analysis of uncoupling activity of substituted phenols with a physicochemical substituent and molecular parameters (1016) 99
Müller, M., see Nałęcz, K.A. (1016) 272
Muntyan, M.S., Mesyanzhinova, I.V., Milgrom, Y.M. and Skulachev, V.P.
The F_1-type ATPase in anaerobic *Lactobacillus casei* (1016) 371

Nabedryk, E., Andrianambinintsoa, S., Berger, G., Leonhard, M., Mäntele, W. and Breton, J.
Characterization of bonding interactions of the intermediary electron acceptor in the reaction center of Photosystem II by FTIR spectroscopy (1016) 49
Nałęcz, K.A., Müller, M., Zambrowicz, E.B., Wojtczak, L. and Azzi, A.
Significance and redox state of SH groups in pyruvate carrier isolated from bovine heart mitochondria (1016) 272
Noctor, G. and Horton, P.
Uncoupler titration of energy-dependent chlorophyll fluorescence quenching and Photosystem II Photochemical yield in intact pea chloroplasts (1016) 228
Nugent, J.H.A., see Lockett, C.J. (1016) 213

Oja, V., see Wagner, U. (1016) 115
Okamura, M.Y., see McPherson, P.H. (1016) 289

Paradies, G. and Ruggiero, F.M.
Age-related changes in the activity of the pyruvate carrier and in the lipid composition in rat-heart mitochondria (1016) 207
Porter, G., see Booth, P.J. (1016) 141

Rees, D. and Horton, P.
The mechanisms of changes in Photosystem II efficiency in spinach thylakoids (1016) 219
Regalado, R., see Renthal, R. (1016) 378
Rehm, A.M., Gülzow, M., Marquardt, J. and Ried, A.
Changes in the photosynthetic apparatus of red algae induced by spectral alteration of the light field. II. Further characterization of the light-dependent regulation of the apparent quantum yield of PS I (1016) 127
Renthal, R., Shuler, K. and Regalado, R.
Control of bacteriorhodopsin color by chloride at low pH. Significance for the proton pump mechanism (1016) 378
Ried, A., see Rehm, A.M. (1016) 127
Rigobello, M.P., see Bindoli, A. (1016) 349
Rottenberg, H. and Marbach, M.
Regulation of Ca^{2+} transport in brain mitochondria. I. The mechanism of spermine enhancement of Ca^{2+} uptake and retention (1016) 77
Rottenberg, H. and Marbach, M.
Regulation of Ca^{2+} transport in brain mitochondria. II. The mechanism of the adenine nucleotides enhancement of Ca^{2+} uptake and retention (1016) 87
Ruggiero, F.M., see Paradies, G. (1016) 207

Satoh, K., Hansson, Ö. and Mathis, P.
Charge recombination between stabilized P-680^+ and reduced cytochrome *b*-559 in quinone-reconstituted PS II reaction center (1016) 121
Schaafsma, T.J., see Searle, G.F.W. (1016) 235
Schmid, R., see Hensel, M. (1016) 63
Schnellmann, R.G. and Manning, R.O.
Perfluorooctane sulfonamide: a structurally novel uncoupler of oxidative phosphorylation (1016) 344
Searle, G.F.W., Telfer, A., Barber, J. and Schaafsma, T.J.
Millisecond time-resolved EPR of the spin-polarised triplet in the isolated Photosystem II reaction centre (1016) 235
Shimada, K., Yamazaki, I., Tamai, N. and Mimuro, M.
Excitation energy flow in a photosynthetic bacterium lacking B850. Fast energy transfer from B806 to B870 in *Erythrobacter* sp. strain OCh 114 (1016) 266
Shuler, K., see Renthal, R. (1016) 378
Shuvalov, V.A., see Kaminskaya, O. (1016) 153
Skulachev, V.P., see Muntyan, M.S. (1016) 371
Smirnova, I.A., Vaghina, M.L. and Kostyrko, V.A.
$\Delta\Psi$ and ΔpH generation by the H^+ pumps of the respiratory chain and ATPase in subcellular vesicles from marine bacterium *Vibrio alginolyticus* (1016) 385
Smith, J.C.
Potential-sensitive molecular probes in membranes of bioenergetic relevance (1016) 1
Soboll, S., see Hütter, J.F. (1016) 244

Tamai, N., see Mimuro, M. (1016) 280
Tamai, N., see Shimada, K. (1016) 266
Telfer, A., see Searle, G.F.W. (1016) 235
Thayer, W.S. and Cummings, Jr., J.J.
Effects of chronic alcohol consumption on the steady-state kinetics properties of cytochrome oxidase in rat liver (1016) 333
Tokutake, N., see Miyoshi, H. (1016) 99

Tollin, G., see Meyer, T.E. (1016) 364
Tsujishita, H., see Miyoshi, H. (1016) 99

Vaghina, M.L., see Smirnova, I.A. (1016) 385

Wagner, U., Kolbowski, J., Oja, V., Laisk, A. and Heber, U.
pH homeostasis of the chloroplast stroma can protect photosynthesis of leaves during the influx of potentially acidic gases (1016) 115
Watanabe, T., see Mazaki, H. (1016) 190
White, D., see Gross, E.L. (1016) 107
Wilhelm, C. and Duval, J.-C.
Fluorescence induction kinetics as a tool to detect a chlororespiratory activity in the prasinophycean alga, *Mantoniella squamata* (1016) 197
Wojtczak, L., see Nałęcz, K.A. (1016) 272
Wollman, F.-A., see Bulté, L. (1016) 253

Yamazaki, I., see Mimuro, M. (1016) 280
Yamazaki, I., see Shimada, K. (1016) 266
Yu, S.-G., see Albertsson, P.-Å. (1016) 137

Zambrowicz, E.B., see Nałęcz, K.A. (1016) 272
Zucchelli, G., see Jennings, R.C. (1016) 259